

METEOROLOGY FOR NOVEMBER, 1877.

PRIVATE OBSERVATORY, HOBART TOWN.

Latitude 42° 52' 13" S.; Longitude 9h. 49m. 29.2s. E.

(Registered for the Royal Society of Tasmania.)

Day of Month.	Bar. corrected for temperature instrument and to mean sea level.		Thermometers (Reading.)		Thermometers (Self-Registering.)		Relative Humidity.		Clouds.		Wind.		Rain in Inches.	Spon. Evap.	Ozone. Chrom. Scale.						
	7 30 a.m.	4 30 p.m.	Centigrade, 7 30 a.m.	Fahrenheit, 7 30 a.m.	Fahrenheit, 4 30 p.m.	Highest in Sun, 4 30 p.m.	Highest in Shade, 4 30 p.m.	Lowest on Grass, 7 30 a.m.	Per cent	7 30 a.m.	4 30 p.m.	7 30 a.m.				4 30 p.m.					
1 29	171	29.044	10.0	54.0	46.0	—	62.0	34.5	65	100	K	6.0	N	10.0	NW	2.60	NW	10.42	.09		6.5
2 29	398	29.040	9.0	49.0	56.5	—	62.5	37.0	79	81	KN	9.0	N	7.5	N	.52	N	.52	.33		7.5
3 29	175	29.270	10.0	50.0	53.0	—	58.5	34.5	86	69	KN	7.5	K	7.0	SW	2.60	W	.52	.25		5.5
4 29	660	29.220	8.5	47.0	43.5	—	58.0	32.0	93	84	N	10.0	N	10.0	NW	.52	S	.52	.30		9.0
5 29	544	29.563	6.0	43.0	52.5	65.5	57.0	29.5	72	64	K	7.0	KN	9.0	N	.52	W	2.60	.48		9.0
6 29	664	29.770	8.0	47.0	53.0	95.0	62.0	34.0	73	57	K	5.0	K	4.0	NW	.52	SW	.26	.01		6.0
7 29	070	29.755	9.0	48.5	66.0	92.5	69.0	36.0	80	50	KS	8.5	K	5.0	N	.52	NW	2.60	.03		7.0
8 29	581	29.450	14.5	59.0	60.0	94.0	70.0	39.5	62	58	K	7.0	K	7.5	NW	2.60	NW	5.21			4.5
9 29	766	29.830	8.5	47.5	52.0	93.0	62.0	36.0	73	70	K	4.5	KN	9.0	NW	2.60	NW	2.60			4.0
10 29	935	29.836	9.0	49.0	61.5	85.0	60.0	33.5	67	54	K	7.5	K	9.0	N	2.60	NW	2.60	.03	1.72	5.5
11 29	460	29.562	9.0	49.0	54.0	84.0	62.0	36.0	93	74	KN	10.0	K	4.5	NW	.52	NW	2.60	.13		6.0
12 29	896	29.845	9.0	49.0	59.0	75.5	62.0	36.5	74	61	K	7.0	K	8.0	NW	.52	NW	2.60	.07		5.0
13 29	822	29.730	14.0	58.0	72.0	110.0	75.0	33.5	66	38	K	7.0	K	7.5	NW	2.60	NW	2.60	.01		6.0
14 29	635	29.860	14.0	58.0	56.0	90.0	71.0	38.5	76	70	K	10.0	K	10.0	NW	.52	NW	.52			5.0
15 29	903	29.725	9.5	49.5	53.0	—	61.5	35.0	83	86	K	10.0	KN	10.0	NW	.0	S	.0	.01		6.5
16 29	801	29.832	9.0	49.0	56.0	85.0	63.0	34.5	83	70	KS	7.0	K	7.0	S	.0	S	.52	.02		5.0
17 29	753	29.504	9.5	49.0	59.5	83.5	64.0	35.5	74	86	K	10.0	K	7.0	NW	.26	NW	.52	.05		7.5
18 29	873	29.959	12.0	54.0	53.0	65.0	62.0	38.0	70	69	K	7.5	K	7.5	NW	.52	SW	2.60	.06		6.0
19 29	897	29.590	11.0	52.0	72.0	105.0	78.0	37.5	89	61	KS	4.0	O	.0	NW	.26	SE	.52	.15		6.0
20 29	490	29.530	15.0	60.0	62.0	—	72.0	39.0	72	63	K	6.0	KN	8.0	E	.52	S	2.60			6.5
21 29	757	29.972	11.5	53.0	56.0	—	65.0	37.0	76	81	K	10.0	K	6.5	NW	.26	SE	2.60			5.0
22 29	942	29.938	10.0	51.0	67.0	100.0	72.0	36.0	80	74	KS	7.0	O	.0	N	.26	S	.26			5.5
23 29	500	29.746	13.0	56.0	70.0	96.0	75.0	38.5	87	59	KN	9.0	K	5.5	NW	.0	NW	.52	.03		5.0
24 29	920	29.808	14.0	58.0	71.0	115.0	81.0	39.0	58	65	K	5.0	K	5.5	N	2.60	SE	.52	.01		6.0
25 29	831	29.633	12.5	55.0	64.0	106.0	76.0	37.0	70	65	K	10.0	K	6.0	N	.26	N	2.60			4.0
26 29	730	29.725	12.5	55.0	64.0	105.0	73.0	37.0	70	50	K	7.0	K	7.5	NW	.52	NW	.52	.02		3.5
27 29	735	29.583	11.0	52.0	70.0	106.5	57.5	34.5	69	47	K	7.5	K	3.0	N	.52	NW	2.60			2.5
28 29	655	29.819	12.5	55.0	63.0	102.0	71.0	37.0	65	63	K	6.0	K	6.5	E	.26	E	.52			3.0
30 29	937	29.801	10.5	51.0	67.0	102.0	71.0	35.5	69	60	K	6.5	K	7.0	N	.52	SE	.52		2.05	7.0
Mean Press. 29.639		Mean 10.70	Mean M'n. Tem. 50.60		Mean 93.72	Mean 67.55	Mean 36.13	Mean .71	Mean for Month. 7.00		Mean Force 1.44lb.		TL 2.03	TL 4.92	TL 173.50						
Greatest do. 30.193		Max. 15.00	Max. 115.00		Max. 81.00	Max. 39.50	Prev. Character, K and KN.		Greatest Force 10.42		Least Force. 0		Prevailing Direction. NW		Me'n 5.80						
Least do. 29.040		Min. 6.00	Min. 65.50		Min. 57.00	Min. 29.50															

The Meteorological form brought into use at the beginning of 1876 differs in some respects from the former one. It has been adopted with the view of assimilating the Hobart Town records more closely with those of stations in Europe, America, etc., in order to co-operate in a system of International Meteorology. Readings are added from the centigrade thermometer, that being the instrument generally used on the continent of Europe.

The mean is in all cases taken from the sums of the two daily registers, not from the maximum and minimum.

The direction of the wind is registered from currents at a height of 92 feet above sea level, and its force in lbs. per square foot.

The relative quantity of rain that fell under the different winds is registered each morning at 7.30 a.m.

The 35 years' standard tables are used for obtaining the difference from average.

FRANCIS ABBOTT, F.R.A.S., etc.

Time of leafing, flowering and fruiting of a few standard plants in the Royal Society's Gardens during the month of November, 1877.

20th.—Trollop's Victoria Strawberry commencing to ripen.

24th.—Early May Duke Cherry commencing to ripen.

30th.—Black Mulberry (*Morus niger*) in full flower.

31st.—Early Red Antwerp Raspberry commencing to ripen.
NOTE.—The double-flowered Pomegranate and Bougainvillea spectabilis which usually commence flowering towards the end of November, have not done so this year.

F. ABBOTT, JUN., Superintendent.

Results of observations taken at New Norfolk, November 1877, in accordance with new forms, at 7.30 a.m. and 4.30 p.m. :—

Barometer, mean of two daily readings, corrected and reduced, 29.709in.

Thermometer, mean of 2 ditto, 54.32deg.

Ditto mean of maximum and minimum in shade, 53.24deg.

Dew point, mean position of 2 ditto, 42.60deg.

Elastic force of vapour mean, of 2 ditto .270.

Humidity of air, mean of 2 ditto, .66.

Solar intensity, mean of maximum temperature, 130.53deg.

Terrestrial radiation, mean of minimum temperature, 35.83deg.

Rainfall, 2.92in.

Evaporation, 4.72in., in excess of rainfall 1.80in.

Clouds, mean amount of 2 daily observations, 5.33.

Ozone, mean ditto, 2 ditto ditto, 8.54.

W. E. SHOORIDGE, Bushy Park.